

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please amend claims 3 and 4 and add claims 7-9 as follows:

**Listing of Claims:**

Claim 1. (previously amended) A high-pressure gas discharge lamp (1) comprising:

a quartz glass lamp vessel (2) which is closed in a gastight manner, with a space (4) which is enclosed by a wall (3) and in which a pair of electrodes (5) is arranged;

an outer surface (15) of said wall (3) extending between the pair of electrodes (5); and

a filling provided in the space (4) and comprising a rare gas, a mercury buffer gas and halides of tin and indium,

characterized in that the wall (3) has a wall load of at least 30 W/cm<sup>2</sup> at its outer surface, and in that the filling further consists essentially of an alkali metal halide with at least one alkali ion and at least one halide ion, said alkali ion being chosen from the group formed by potassium, rubidium, and cesium, and the halide ion being

chosen from the group formed by chlorine, bromine, and iodine.

Claim 2. (original) A high-pressure gas discharge lamp as claimed in claim 1, characterized in that the lamp (1) has a discharge arc (12) with a length of at most 10mm.

Claim 3. (currently amended) A high-pressure gas discharge lamp ~~as claimed in claim 1,~~ comprising:

a quartz glass lamp vessel (2) which is closed in a gastight manner, with a space (4) which is enclosed by a wall (3) and in which a pair of electrodes (5) is arranged,

an outer surface (15) of said wall (3) extending between the pair of electrodes (5); and

a filling provided in the space (4) and comprising a rare gas, a mercury buffer gas and halides of tin and indium,

characterized in that the wall (3) has a wall load of at least 30 W/cm<sup>2</sup> at its outer surface, and in that the filling further consists essentially of an alkali metal halide with at least one alkali ion and at least one halide ion, said alkali ion being chosen from the group formed by potassium, rubidium, and cesium, and the halide ion being

chosen from the group formed by chlorine, bromine, and  
iodine, and

characterized in that the alkali ion is potassium.

Claim 4. (currently amended) A high-pressure gas discharge  
~~lamp as claimed in claim 1~~ (1) comprising:

a quartz glass lamp vessel (2) which is closed in a  
gastight manner, with a space (4) which is enclosed by a  
wall (3) and in which a pair of electrodes (5) is arranged;

an outer surface (15) of said wall (3) extending  
between the pair of electrodes (5); and

a filling provided in the space (4) and comprising a  
rare gas, a mercury buffer gas and halides of tin and  
indium, and

characterized in that the wall (3) has a wall load of  
at least 30 W/cm<sup>2</sup> at its outer surface, and in that the  
filling further consists essentially of an alkali metal  
halide with at least one alkali ion and at least one halide  
ion, said alkali ion being chosen from the group formed by  
potassium, rubidium, and cesium, and the halide ion being  
chosen from the group formed by chlorine, bromine, and  
iodine, and

characterized in that the halide ion is bromine.

Claim 5. (previously amended) A high-pressure gas discharge lamp as claimed in claim 1, characterized in that the high-pressure gas discharge lamp (1) comprises a reflector (9) in which the lamp vessel (2) is fixed.

Claim 6. (previously amended) A high-pressure gas discharge lamp as claimed in claim 1, characterized in that the high-pressure gas discharge lamp (1) is a DC lamp.

Claim 7. (new) A high-pressure gas discharge lamp comprising:

a quartz glass lamp vessel closed in a gastight manner having a space enclosed by a wall, a pair of electrodes being arranged in the space;

an outer surface of the wall extending between the pair of electrodes; and

a filling provided in the space, the filling comprising a rare gas, a mercury buffer gas and halides of tin and indium,

wherein the wall has a wall load of at least 30 W/cm<sup>2</sup> at its outer surface, and the filling further consists essentially of an alkali metal halide with at least one alkali ion and at least one halide ion, said alkali ion

being rubidium, and the halide ion being chosen from the group formed by chlorine, bromine, and iodine.

Claim 8. (new) A high-pressure gas discharge lamp comprising:

- a quartz glass lamp vessel closed in a gastight manner, with a space at least partially enclosed by a wall;

- a pair of electrodes, the electrodes being arranged in the space and an outer surface of the wall extending between the pair of electrodes; and

- a filling in the space, the filling comprising a rare gas, a mercury buffer gas and halides of tin and indium,

- wherein, during operation of the lamp, the temperature of a major portion of the wall is greater than 800°C, and the filling further comprises an alkali metal halide with at least one alkali ion and at least one halide ion, the alkali ion being chosen from the group formed by potassium, rubidium, and cesium, and the halide ion being chosen from the group formed by chlorine, bromine, and iodine.

Claim 9. (new) The high-pressure gas discharge lamp of Claim 8, wherein, during operation of the lamp, a temperature of a point on the wall is greater than 1050°C.